163. MARINE DESULFOVIBRIO (POSTGATE) MEDIUM

Solution A:		
NaCl	25.0	g
K_2HPO_4	0.5	g
NH_4Cl	1.0	g
Na_2SO_4	1.0	g
$CaCl_2$ x 2 H_2O	0.1	g
$MgSO_4$ x 7 H_2O	2.0	g
Na-DL-lactate	2.0	g
Yeast extract	1.0	g
Na-resazurin solution (0.1% w/v)	0.5	ml
Distilled water	980.0	ml
Solution B:		
$FeSO_4$ x 7 H_2O	0.5	g
Distilled water	10.0	ml
Solution C:		
Na-thioglycolate	0.1	g
Ascorbic acid	0.1	g
Distilled water	10.0	ml

Bring *solution A* to the boil, then cool to room temperature while sparging with 100% N_2 gas. Add *solutions B* and *C*, adjust pH to 7.8 with NaOH, and distribute under N_2 gas atmosphere into anoxic Hungate-type tubes. During distribution continuously swirl the medium to keep the grey precipitate suspended. Autoclave 15 min at 121°C. Adjust pH of the complete medium to 6.8 - 7.0, if necessary.

For DSM 10520 adjust final pH of autoclaved medium to 7.5 using a sterile anoxic stock solution of Na_2CO_3 (5% w/v) prepared under 80% N_2 and 20% CO_2 gas atmosphere.